|   | Index of Claims                                       |               |              |          |     |              |          |          |              |                     |           |          |          | Application No. |  |                          |                 |   |              |              |           |             |          | Applicant(s) |                 |          |          |           |         |          |          |                 |  |
|---|---|---------------|--------------|----------|-----|--------------|----------|----------|--------------|---------------------|-----------|----------|----------|-----------------|--|--------------------------|-----------------|---|--------------|--------------|-----------|-------------|----------|--------------|-----------------|----------|----------|-----------|---------|----------|----------|-----------------|--|
|   | ,   |               |              |          |     |              |          |          |              |                     |           |          |          | 10              | 10/632,956                                       |                          |                 |   |              |              |           |             |          |              | YANG ET AL.     |          |          |           |         |          |          |                 |  |
|   |   |               |              |          |     |              |          |          |              |                     |           |          |          | Examin r        |  |                          |                 |   |              |              |           |             |          | Art Unit     |                 |          |          |           |         |          |          |                 |  |
|   |   |               |              |          |     |              |          |          |              |                     |           |          |          |                 |  |                          |                 |   |              |              |           |             |          |              |                 |          |          |           |         |          |          |                 |  |
|   | 1 (00:01 10:11 00:10 01:10 (1:10:10 10:10 01:11 10:01 |               |              |          |     |              |          |          |              |                     |           |          |          |                 | Hung K. Vu                                       |                          |                 |   |              |              |           |             |          | 2811         |                 |          |          |           |         |          |          |                 |  |
|   |   |               |              |          |     |              |          |          |              |                     |           |          |          |                 |  | $\neg$                   | ٢               | Т   |              |              |           | <del></del> |          |              |                 |          |          |           |         | 1        |          |                 |  |
|   |   |               | <b>√</b>     | Re       | eje | cte          | d        |          |              | (Through numera     |           |          |          |                 | al)  | ")   <sub>N</sub> Non-El |                 |   |              | Elect        | cted      |             |          | App al       |                 |          |          |           |         |          |          |                 |  |
|   |   |               | Н            |          |     |              | $\dashv$ |          | ŀ            | $\dashv$            |           |          |          |                 |  |                          |                 | 1 <del>    -   -   -   -   -   -   -   -   - </del> |              |              | -         |             | -        |              | $\vdash$        |          |          |           |         |          |          |                 |  |
|   |   |               | =            | Allowed  |     |              |          |          | ÷            | Restricted          |           | d        |          |                 |  | I Interfe                |                 | eren  | rence        |              | 0         | Objected    |          |              |                 |          |          |           |         |          |          |                 |  |
|   |   |               | Ш            |          |     |              |          |          |              |                     |           |          |          |                 |  |                          |                 |   |              |              |           |             |          | L_L          |                 |          |          |           |         | J        |          |                 |  |
|   | Cla   | im            |              | Date     |     |              |          |          |              |                     |           | Claim    |          |                 |  | Date                     |                 |   | <del>)</del> |              | 1         | ]           | Cla      | aim          |                 | Date     |          |           | te      | 1        |          |                 |  |
|   | <del>-</del>  | nal           | 4            |          |     |              |          |          |              |                     |           | <u></u>  | la       |                 |  |                          | ı               |   |              |              |           |             | al       | nal          |                 |          |          |           |         |          |          |                 |  |
|   | Final   | Original      | 6/10/04      |          |     |              |          |          |              |                     |           | Final    | Original |                 |  |                          |                 |   | -            |              | 1         |             | Final    | Original     |                 | -        |          |           |         |          |          |                 |  |
|   |   |               |              |          |     |              |          | _        | _            | _                   | _         | <u> </u> |          | <b>-</b>        |  | _                        | 4               | +   | 4            | 4-           | 4         | 4 !         |          | 101          | $\vdash \vdash$ | +        | -        | +-        | ╀       | -        | H        |                 |  |
|   |   | 2             | 7            |          |     |              |          |          | $\dashv$     | $\dashv$            | $\dashv$  |          | 51<br>52 | +-              | $\vdash$   | $\dashv$                 | $\dashv$        | +   | +            | +            | +         | ┤ :         |          | 102          | $\vdash$        | $\dashv$ |          | +         | ╁       | <u> </u> | -        | -               |  |
|   |   | 3             | 1            |          |     |              |          |          |              |                     |           |          | 53       |                 |  |                          |                 | $\Box$  | $\Box$       | 1            |           |             |          | 103          |                 |          |          |           |         |          |          |                 |  |
|   |   | <u>4</u><br>5 | 7            |          |     |              | _        | _        | _            | _                   | _         |          | 54<br>55 |                 | -  | _                        | _               | +   | +            | +            | +         | -           |          | 104<br>105   |                 | $\dashv$ | -        | +-        | +       | ╁        | -        | _               |  |
|   |   | 6             | 1            |          |     |              |          | -        | $\dashv$     | _                   | _         |          | 56       | 1               | Н  |                          | $\dashv$        | +   | $\dashv$     | $\top$       | †         | 7           |          | 106          |                 |          | 士        | $\dagger$ | $\perp$ |          |          |                 |  |
|   |   | 7             | 1            |          |     |              |          |          |              |                     |           |          | 57       |                 |  |                          |                 | $\Box$  | $\Box$       | $\Box$       | Ţ         |             |          | 107          |                 | _        | $\perp$  | 4         | _       | -        |          |                 |  |
|   |   | 8<br>9        | 7            |          |     | Н            |          | $\vdash$ | -            | +                   | $\dashv$  | -        | 58<br>59 | -               |  | $\dashv$                 | -               | +   | +            | +            | +-        | $\dashv$    |          | 108<br>109   |                 | -        | +        | -         | +       | ╁        | H        |                 |  |
|   |   | 10            | 1            |          |     |              |          |          |              |                     |           |          | 60       |                 |  |                          |                 |   |              | 士            |           |             |          | 110          |                 |          |          |           |         |          |          |                 |  |
|   |   | 11            | ٧            |          |     |              |          |          |              |                     | _         |          | 61<br>62 |                 |  | _                        | 4               | 4   | 4            | -            | +         | -           |          | 111<br>112   | -               | 4        | -        | +         | +       | <u> </u> | ┞-       | $\dashv$        |  |
|   |   | 12<br>13      |              |          |     |              | Н        | $\dashv$ |              |                     | $\dashv$  | -        | 63       |                 |  | $\dashv$                 | $\dashv$        | +   | $\dashv$     | +            | +         | $\dashv$    |          | 113          |                 | +        | +        | +         | H       | ╁        | +-       | Н               |  |
|   |   | 14            |              |          |     |              |          |          |              |                     |           |          | 64       | 1               |  |                          | $\Box$          |   |              |              | 1         |             |          | 114          |                 | 1        |          | $\bot$    | $\perp$ |          | Ι_       |                 |  |
|   |   | 15<br>16      |              |          |     |              |          | $\dashv$ |              |                     | 4         | <u> </u> | 65<br>66 |                 | $\vdash$   | -                        | $\dashv$        | $\dashv$  | $\dashv$     | +            | +         | -           |          | 115<br>116   | Н               | $\dashv$ |          | +         | +       | $\vdash$ |          | $\vdash$        |  |
|   |   | 17            |              | $\neg$   |     |              | -        |          |              | $\vdash$            | $\dashv$  |          | 67       |                 | Н  | -                        |                 |   | $\exists$    | 十            | $\pm$     |             |          | 117          |                 | $\perp$  |          | 1         |         | İ        |          |                 |  |
|   |   | 18            |              |          |     |              |          |          |              |                     |           |          | 68       |                 |  |                          | _               | 4   | $\dashv$     | -            | 1         | _           |          | 118<br>119   |                 | 4        | +        | +         | +       | $\vdash$ | ╀        | L               |  |
|   |   | 19<br>20      | -            | $\dashv$ |     | Н            | Н        |          |              | $\dashv$            | -         | -        | 69<br>70 |                 | -  |                          | $\dashv$        | $\dashv$  | $\dashv$     | +            | +         | ┥           | -        | 120          | $\vdash$        | $\dashv$ | +        | +         | +       | +        | ┢        | $\vdash$        |  |
|   |   | 21            |              |          |     |              |          |          |              |                     |           |          | 71       |                 |  |                          |                 |   | _            |              |           |             |          | 121          |                 | 1        |          | Ţ         | Ţ       |          |          |                 |  |
|   |   | 22            |              |          |     |              |          |          |              |                     |           | <u> </u> | 72<br>73 | +               | $\vdash$   | $\dashv$                 |                 | $\dashv$  | +            | +            | +         | -           |          | 122<br>123   | $\vdash$        | +        | -        | +         | +-      | +        | $\vdash$ | -               |  |
|   |   | 24            |              |          |     |              |          |          |              | $\dashv$            | _         |          | 74       |                 |  |                          | $\exists$       |   |              |              | +         |             |          | 124          |                 |          |          | İ         |         |          |          |                 |  |
|   |   | 25            |              |          |     |              |          |          |              | $\Box$              | 4         |          | 75       | 1               | <u> </u>   | _                        | _               |   | 4            | _            | _         | _           |          | 125<br>126   | Н               | -        | _        | -         | +       | +        | H        | $\vdash$        |  |
|   |   | 26<br>27      | -            | Н        | _   | -            |          |          |              | $\dashv$            | $\dashv$  |          | 76<br>77 |                 | -  |                          | -               | $\dashv$  | $\dashv$     | +            | +         | -           |          | 127          | 1 1             | $\dashv$ | +        | $\dagger$ | +       | +        | $\vdash$ | Н               |  |
| : |   | 28            |              |          |     |              |          |          |              |                     |           |          | 78       |                 |  |                          |                 | $\Box$  | $\Box$       | $\perp$      | I         |             |          | 128          | П               | $\Box$   |          | I         | T       |          | _        |                 |  |
|   |   | 29<br>30      | <u> </u>     |          |     | _            |          | _        |              | $\vdash \downarrow$ | _         | -        | 79<br>80 |                 | $\vdash$   | -                        | $\dashv$        | +   | +            | +            | +         | 4           |          | 129<br>130   | Н               | -        |          | +         | +       | ╁        | $\vdash$ | Н               |  |
|   |   | 31            | ┢┈           |          |     |              |          | -        | Н            | H                   | $\dashv$  | $\vdash$ | 81       |                 | $\vdash$   |                          | $\exists$       | $\dashv$  | $\dashv$     |              | $\dagger$ |             |          | 131          |                 |          |          |           |         |          |          |                 |  |
|   |   | 32            | Ĺ.,          |          |     |              |          |          |              |                     |           |          | 82       |                 |  |                          | $\Box$          | 4   |              |              | 4         | ]           |          | 132          |                 | _        | _        | _         | -       | +        |          |                 |  |
|   |   | 33<br>34      |              | _        |     |              |          |          |              |                     | -         | -        | 83<br>84 |                 |  | $\dashv$                 | $\dashv$        | $\dashv$  | +            |              | +         | +           |          | 133<br>134   | $\vdash$        | +        | -        | +         | +-      | ╫        | $\vdash$ | $\vdash \vdash$ |  |
|   |   | 35            |              |          |     |              |          |          |              |                     |           |          | 85       |                 |  |                          |                 |   |              |              |           |             |          | 135          |                 |          |          |           |         |          |          |                 |  |
|   |   | 36            | <u> </u>     |          |     | _            |          |          |              |                     | _         | _        | 86<br>87 |                 | <del> </del>                                     | _                        | _               | _   | -            | +            | +         | -           |          | 136<br>137   | $\vdash$        | 4        | +        | +         | +       | -        | ┝        | Н               |  |
|   |   | 37<br>38      | -            |          | H   | _            |          |          |              | H                   | $\dashv$  | -        | 88       |                 | $\vdash$   |                          |                 | <del>-</del>  | $\dashv$     | +            | +         | ┥           |          | 138          | H               | 7        | +        | $\dagger$ | +       |          |          |                 |  |
|   |   | 39            |              |          |     |              |          |          |              |                     | $\exists$ |          | 89       |                 |  |                          |                 |   | 7            | $\downarrow$ | Ţ         |             |          | 139          | П               | $\Box$   | #        | Ţ         | 1       | L        |          |                 |  |
|   |   | 40            | <del> </del> | -        | _   | -            | -        | $\vdash$ | -            | $\vdash \downarrow$ | $\dashv$  | -        | 90       |                 | <del>                                     </del> | Н                        |                 | $\dashv$  | $\dashv$     | +            | +         | -           | <u> </u> | 140<br>141   | ┼┤              | $\dashv$ | +        | +-        | +       | +        | -        | Н               |  |
|   |   | 42            |              |          |     |              |          |          |              |                     |           |          | 92       |                 |  |                          |                 |   |              |              | $\bot$    |             |          | 142          | 口               |          | $\perp$  | 1         | 1       |          |          |                 |  |
|   |   | 43            |              |          |     |              |          |          |              |                     | $\dashv$  |          | 93<br>94 |                 | $\perp$  |                          | $\sqcup$        |   | $\dashv$     | -            | +         | 4           | <u> </u> | 143<br>144   | $\sqcup$        |          | 4        | +         | +       | -        |          | Н               |  |
|   |   | 44<br>45      | +            | $\vdash$ | -   | <del> </del> | -        | $\vdash$ | $\vdash$     | $\vdash$            | $\dashv$  | -        | 94       |                 | +  | $\vdash$                 | $\vdash$        | $\dashv$  | $\dashv$     | +            | +         | $\dashv$    | <u> </u> | 145          | +               |          | +        | +         | +       | $\pm$    | $\vdash$ |                 |  |
|   |   | 46            |              |          |     |              |          |          |              |                     |           |          | 96       |                 |  |                          | $\square$       |   | 1            | 1            | $\perp$   | $\exists$   |          | 146          | $\Box$          | $\Box$   | .        | T         | $\bot$  | F        | Γ.       | Щ               |  |
|   |   | 47<br>48      | ├-           | $\vdash$ | -   | -            | _        | -        | $\vdash$     | $\vdash \vdash$     | $\dashv$  | -        | 97<br>98 |                 | -  |                          | $\vdash$        | $\dashv$  | $\dashv$     | +            | +         | $\dashv$    | -        | 147<br>148   | +               | $\dashv$ | +        | +         | +       | +        | $\vdash$ | $\vdash$        |  |
|   | <del> </del>  | 40            | <del> </del> | -        | -   | -            | -        | $\vdash$ | <del> </del> |                     | $\dashv$  | -        | 99       |                 | +  | $\vdash$                 | $\vdash \vdash$ | -+  | -+           | +            | 十         | $\exists$   |          | 149          |                 | $\dashv$ | $\dashv$ | +         | +       | $\top$   | $\top$   | Н               |  |

100

150

50